Laboratory Transmittal Form
7-72

1 - Mr. Rosen
1 - Mr. Long
1 - Mr. Conrad
1 - Mr. Frazier
1 - Lab Files
1 - Office, 7133

FBI LABORATORY

FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

To: FBI, Memphis (44-1987)

Date: April 18, 1968

Re: MURKIN

John Edgar Hoover, Direct

Examination requested by: Memphis

FBI File No. 44-38861

Lab. No. PC-A5530 BX G

REC 10

Reference: Airtel 4/4/68

Examination requested: Firearms - Spectrographic - Microscopic

Remarks: Specimens Q76 through Q85 are being temporarily retained in the Laboratory.

Serological examinations of the victim's clothing will be reported separately.

A microscopic examination of the fabric and yarns in the damaged areas of Q76 and Q77 indicates the object or objects causing the damage may have entered the collar from above and traveled downward through the collar, severed the necktie and exited immediately below the collar. Some of the material causing the damage to Q76 and Q77 could have also caused the damage to the Q78 coat at the same time due to the type and location of the damage.

MAILED 3
APR 17 1968
COMM-FBI

Enclosures (2) (2 Lab report)

RAF:jc (9)

66 APR 22 1968

MAIL ROOM ☐ TELETYPE UNIT ☐ ADMINISTRATIVE PAGE

7-1b

REPORT
of the

FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

To: FBI, Memphis

Re: MURKIN

Date: April 18, 1968
FBI File No. 44-38861
Lab. No. PC-A5530 BX GH

Specimens received 4/8/68

CLOTHING FROM MARTIN LUTHER KING, JR.

Q76 Shirt
Q77 Necktie
Q78 Suit coat
Q79 Trousers
Q80-Q81 Pair of socks
Q82 Undershorts
Q83 Undershirt
Q84-Q85 Pair of shoes

Results of examination:

There is a large hole in the right front portion of the collar of the Q76 shirt. The Q77 necktie has been forcibly torn apart in the right front neck portion also. The object or objects causing the damage were larger than a bullet of .30 caliber size and irregular in shape as all of the yarns were broken, not cut. One or more segments of bone could not be eliminated as the cause of the damage.

The right lapel of the Q78 coat has three damaged areas on the surface of the fabric. These areas have been torn by some object or objects, but the damage does not extend through the lapel. The torn areas vary from ¼" to 1" in length and the condition of the yarn indicates the object or objects struck the coat from above and probably glanced off the coat.

Due to the sizes and ragged edges of the damaged areas of the Q76 shirt, Q77 necktie and Q78 suit coat, it was not possible to recognize any bullet holes or to

Tolson
DeLoach
Mohr
Bishop
Casper
Callahan
Conrad
Felt
Gale
Rosen
Sullivan
Tavel
Trotter
Tele. Room
Holmes
Gandy

(continued on next page)

RAF:jc (9)

MAIL ROOM ☐ TELETYPE UNIT ☐

determine from visual examination whether or not a bullet or any bullet fragments had passed through or struck these items.

No bullet holes were found in Q79 through Q85.

The edges of the hole torn in the Q76 shirt collar, the edges of the three tears on the collar of the Q78 suit coat and the material near the ends of the Q77 necktie were contaminated with traces of lead which could have come from a bullet or from bullet fragments. The lead contamination of these items could not be associated with a particular bullet or lead source.

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RECORDED
4-8-68
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FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

Laboratory Work Sheet

Re: UNSUB, aka
John Willard;
MARTIN LUTHER KING, JR. -
VICTIM
CR

File # 44-38861
Lab. # PC-A5530 BX GH

EXPEDITE

Examination requested by: FBI, Memphis (44-1987) Airtel 4-4-68

Examination requested: Firearms(GT)
Spectro.

Date received: 4-8-68

Result of Examination: Microscopic (Hair & Fiber)

Examination by: aexp

[redacted] 4/10/68
[redacted] 4/10/68 - Rich 4/11/68

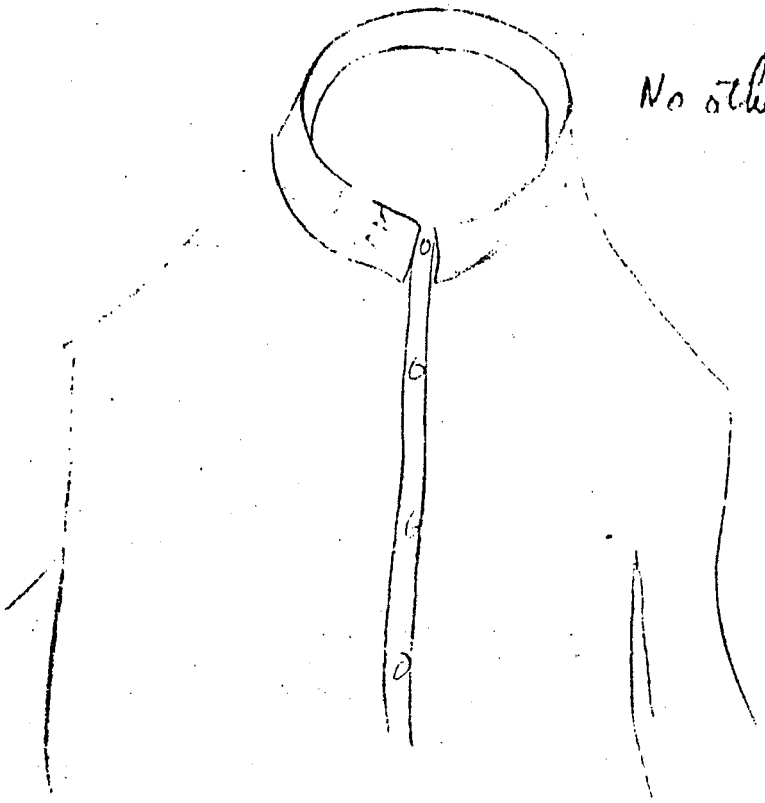
[redacted] (4) Due to the size and ragged edges of the damaged areas of the Q76 shirt, Q77 necktie and Q78 suit jacket it was not possible to recognize any bullet holes or to determine from visual examination whether or not a bullet or any bullet fragments had passed through or struck these items. No bullet holes were found in Q79 through Q85.

Specimens submitted for examination

CLOTHING FROM MARTIN LUTHER KING, JR.

Q76 Shirt
Q77 Necktie
Q78 Suit jacket
Q79 Trousers
Q80-Q81 Pair of socks
Q82 Undershorts
Q83 Undershirt
Q84-Q85 Pair of shoes

Q76 Shirt - wet blood when rec'd - Dried, photo'd in co

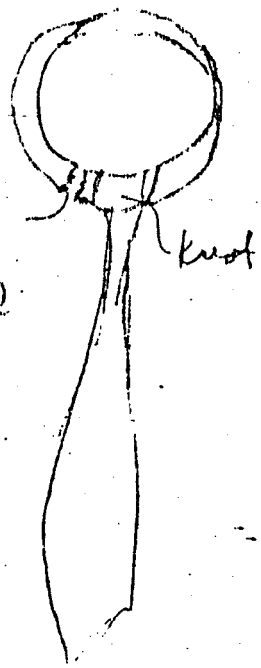


No other holes except front collar size and

Due to ragged edges of the hole it was not possible to determine whether or not a bullet or bullet fragments had passed through the Q76 shirt or Q77 tie or had caused either of the non-penetrating tears in the Q78 suit jacket.

No bullet holes were found in Q79 through Q85.

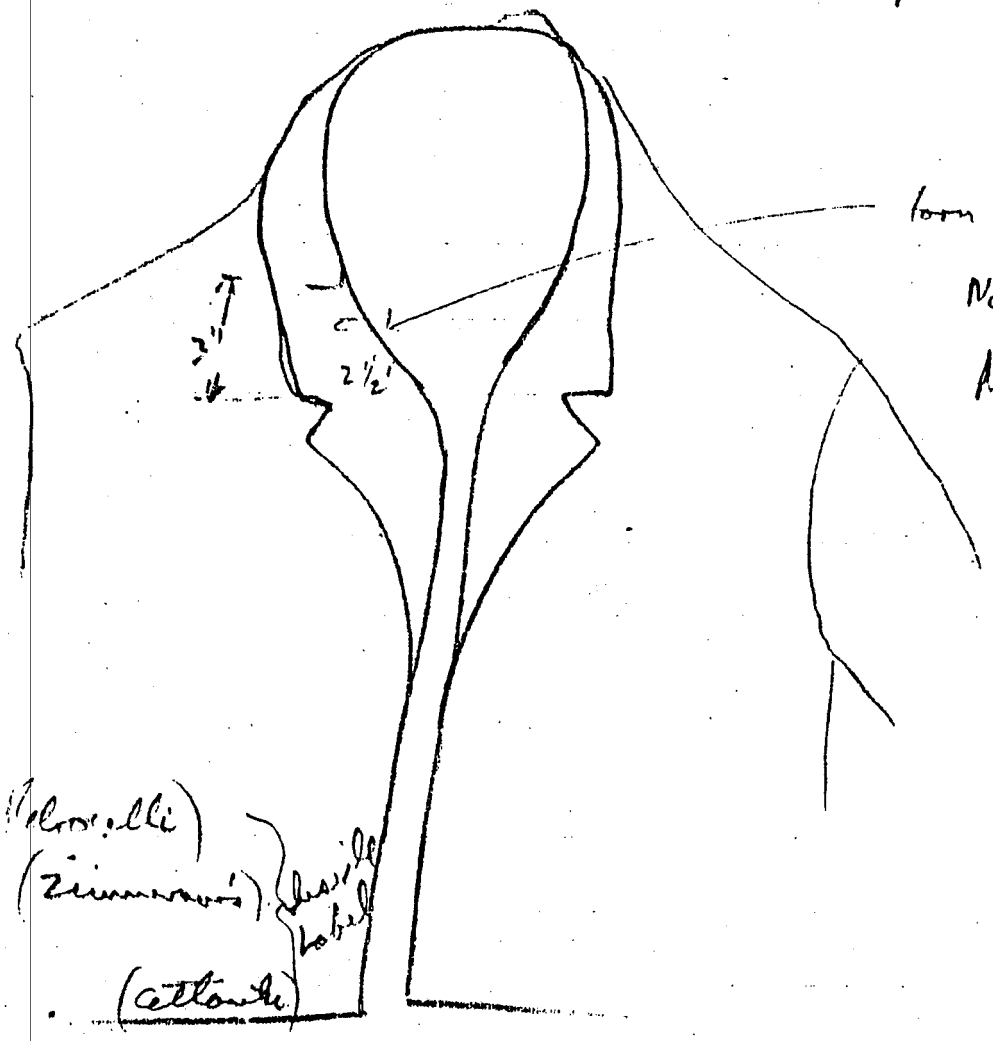
Q78



Frayed ends where no bullet removed

A 5530 CX
4-9-68
4-10-68

Q78 Suit Jacket — Blood-soaked, when said in plaster bag
all clothes dumped together



"L" shaped slit
torn slit
elongated slit
small
Non-penetrating
No holes in back or
other holes in front

No bullet holes found in other clothes Q 79 – Q85

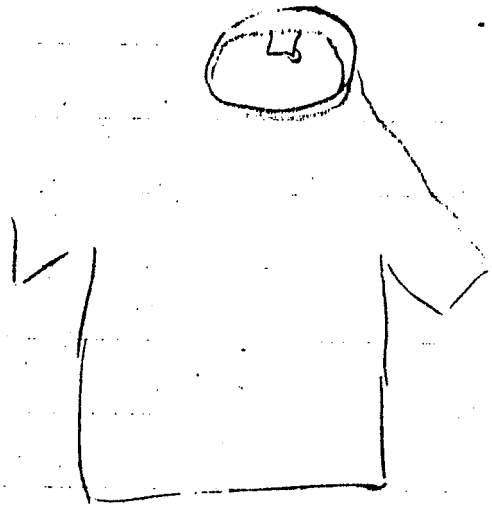
Color photos of Q 76 – Q85 before any exams made

279 - Trousers Nothing of value from FA aspect
No bullet fragments or holes

280-81 Pair of socks - Nothing of Value from FA aspect

82 - Black undershorts Nothing of Value from FA aspect

83 - T shirt hole near label at back - wear-tear
No corresp hole in shirt or jacket



No bullet hole characteristics

284-285 Pr of shoes - Nothing of Value from FA aspect